

PATENT ABSTRACTS OF JAPAN

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(54) LINE EXCHANGE NETWORK

(57) Abstract:

PURPOSE: To improve the utilizing efficiency of a line and to improve the economy by tentatively releasing a speech line when communication is idle with the intention of a talker and using the line for other communication from the operation of the line exchange network.

CONSTITUTION: When a terminal equipment 7 sends a release request signal for the time being during communication between subscriber terminal equipments 7, 8, a connection/disconnection processing circuit 31 of an exchange 11 receives the signal via a subscriber interface 101 and a signal reception circuit 21. Moreover, an interrupt signal is sent to a connection/disconnection processing circuit 33 of the line exchange 13 via a signal line 4 and the circuits 31, 33 interrupt a speech line 5 from a channel between the terminal equipments 7, 8 while reserving the channel between the terminal equipments 7, 8 into a memory. Then a packet network 6 is selected and used as a packet communication line.

Upon the receipt of a restoration request signal, the terminal equipment 7 interrupts the packet network 6, reconnects the line 5 via the line 4 to restore the terminal equipments 7, 8 to the talking state. Then the utilizing efficiency of the line 5 is enhanced and the economy is improved.

